Aircraft such as Kiran MK-II, HPT 32 and the Advanced Light Helicopter (ALH) are of HAL's own design and manufacture, while aircraft such as Jaguar, Mig-27M, Dor-nier-228 Aircraft and Cheetah/Che-tak Helicopters are manufactured under licence from foreign companies/countries. HAL is the production agency for the Light Combat Aircraft (LCA) being developed by Aeronautical Development Agency (ADA). HAL will also be the production agency for licenced manufacture of SU-30MK-III, depending on the results of the feasibility report. HAL has also received some preliminary responses to its proposal in establishing co-production of 50 sea-ter aircraft.

(c) In the interests of security production targets of aircraft cannot be divulged.

Heiicopt'er shot down in Assam

2365. DR. MOHAN BABU: Will the Minister of DEFENCE be pleased to state:

(a) the names of the militant grbups that shot down the helicopter carrying Major General Kashev Singh near KohJma in Assam;

(b) whether some rocket was used to shot dowai the helicopter; and

(c) the sources of rocketsand other arms that have come in the possession of the hiiitaiits in Assam?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (SHRI N. V. N. SOM^J): (a) and (b) According to the information received from the Army Hqrs. the helicopter crashed due to inclement weather and not on account of shooting down by any militant group.

(c) The militants in Assam are reported to be getting arms from various sources including other niili-lams groups operating in the region.

Induction of ALH into anned forces

2366. DR. ALLADI P. RAJ-KUMAR: Will the Minister of DEFENCE be pleased to state:

(a) the probable date by when the indigenously manufactured Advanced Light Helicopter (ALH) is likely to be inducted into the armed forces;

(b) the special features of the ALH;

(c) whether the ALH will be used by all the three wings of the amu ed forces; and

(d) whether ALH would be sold in the international weaponry market also?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE SHRT N. V. N. SOMU): (a) The indigenously manufactured Advanced Light Helicopter (ALH) **is** likely to be inducted into the Armed Forces during 1998-99.

(b) ALH has several special fea-turep as given in the attached statement. *(See* below).

(c) Yes, Sk.

(d) Yes, Sir. After initial induction in the Indian Armed Forces, ATH would be slod in the inter-Bation-

Statement

Special features of ALTT The ALH is a mulIiroIe Helicoipter which can carry 12 passngers with 2 Pilots in normal configuration. It cam carry 14 passengers in high density con-figuration, whereas for ViPs six seats are nrovided. *Jt* is usable for basic train-inn due *to* dual control system a-nd duplicate flight instruments. Its Cargo .Pallet

is of 3.1xl.35x0.95M and capacity for uMder slung toad is upto 1500 kgs. Other special features (technology) of ALH are as under:—

— Twin eixgines.

— Hingeless comiposite main itotor.

_ , Bearuagless composite tail rotor.

— Integrated dynamic system.

— Anti Resonant vibration Isolation system.

— Automatic flight cbntrol system.

— Redundancy in flight critical systems.

— Maximum take off weight 5500 kg. with 2 pilots and 20 min. reserve fuel, can take 1000 kg. pay-load upto 800 kms.

— Highest survivability due to twin engine composite rotore, duplex hydraulics, ballistic tolerance, cruise spJed upto 245 kms. per hr. (450O AUW) range 800 "kms. endurance 4 hrs.

— Extension use of composites (29 percent by weight).

International Defence Exhibition

2367. DR. ALLADI P. RAJ-KUMAR; Will the Minister of DEFENCE be pleased to state:

(a) whether India is plarming to participate in and organise international defence exhibitions;

(b) if so, the details of the proposed international exhibitions; and

(c) the kind *ot* weaponary produced by our ordinance factories proposed to be displayed and how do oiu" prices compare with those of other competitors in the World market?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (SHRI N. V. N. SOMU): (a) Yes, Sir.

(b) During the current financial year some of the defence production units will participate in Defence Asia '97 Exhibition to be held at Bangkok (Thailand) from 16—18 October 1997 and Langkawi International Maritime & Aerospace Exhibition (LIMA '97) to be held at Langkawi (Malaysia) from 2—7 December 1997.

Ministry of Defence have decided to organise the second International Aerospace Expbsition-Aero India 97 at Bangalore from 8—12 December 1998. It is also proposed to organise a 'Land & Naval Systems' Exhibition in Delhi in September 1999.

(c) Ordinance Factories have plans to display conventional arms & ammunition, components & spare parts, general & software items parachutes etc. at the above exhibitions. The prices for the above stores are generally competitive in international market.

Encroacliments on defence lands

2368. SHRI GHUFRAN AZAM: Will the Minister of DEFENCE be pleased to state:

(a) whether Government have noticed large scale encroachments on defence lands and premises within Defence Directorate of Estate, Central Command committed during the last 4-5 years;

(b) whether some ofBcials of the Central Command of the Depart-meiit are trying now to get a few of them regularised inspite of major violations of rules;

(c) whether Government would stop any further continuance of such encroachments; and

(d) if so, the facts thereof and the action taken in the matter?